

Amendments to Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Previously Presented): A wireless communication system, comprising:
a sender having a timer that produces a timing reference;
a time signal generator that sends the timing reference to a receiver;
a ranging offset determiner that computes a delay associated with transmitting between the sender and the receiver, the receiver having a timer that is synchronized to the timer of the sender based, at least in part, on at least one of, the timing reference, the delay, and the timer of the receiver;
the sender further comprising a store for storing an expected receive time which based on the delay;
an acknowledgement relationship establisher that establishes a relationship between the time reference and the expected receive time for an outgoing packet;
an acknowledgement resolver that determines whether an acknowledgement received corresponds to the outgoing packet utilizing the expected receive time; and
a retry determiner that determines whether the outgoing packet should be retransmitted based, at least in part, on the determination made by the acknowledgement resolver.

Claim 2 (Original): The system of claim 1, where the timing reference is a 32 bit global timing reference.

Claim 3 (Cancelled).

Claim 4 (Cancelled).

Claim 5 (Previously Presented): The system of claim 1, comprising:

an acknowledgement requester that determines whether an acknowledgement should be requested based, at least in part, on the determination made by the acknowledgement resolver.

Claim 6 (Original): The system of claim 1, the sender being a wireless access termination modem system and the receiver being a wireless modem.

Claim 7 (Previously Presented): The system of claim 1, the sender being a wireless modem and the receiver being a wireless access termination modem system.

Claim 8 (Previously Presented): A system for transmitting packets, comprising:
a timer that produces a timing reference;
a packet building component that builds a packet and transmits the packet to a receiver, the system stores a receive time relative to the timing reference, the receive time being indicative of a time that the packet is expected to be received by the receiver;

an acknowledgement resolving component that extracts an acknowledgement time from an acknowledgement and determines if the acknowledgement time corresponds to the receive time of the packet; and

a retry determining component that determines whether the packet should be retransmitted based, at least in part, on the determination made by the acknowledgement resolving component.

Claim 9 (Cancelled).

Claim 10 (Original): The system of claim 8, further comprising a time signal generator that sends the timing reference to the receiver to establish time synchronization between the timer and a timer at the receiver.

Claim 11 (Original): The system of claim 10, further comprising a ranging offset determiner that computes a delay associated with transmitting between the system and

the receiver, the delay being utilized to establish time synchronization between the system and the receiver.

Claim 12 (Original): The system of claim 8, the packet transmission system being one of a wireless access termination modem system and a wireless modem and the external component being the other of the wireless access termination modem system and the wireless modem, the wireless modem compensating for the computed transmission delay when computing the receive time.

Claim 13 (Previously Presented): A packet receiving system, comprising:

- a timer operable to be set to a time related to a timing reference received from a time sender, the timer further operable to keep time synchronously with a timer associated with the time sender;

- an acknowledgement generator that generates an acknowledgement for a packet received from the time sender, where the acknowledgement includes a time value retrieved from the timer, where the time value is the time when the acknowledgement was generated;

- a ranging offset determiner that computes a transmission delay between the sender and the system, the system utilizing the computed transmission delay to establish time synchronization between the timer and a timer at the sender; and

- a memory location for storing an expectation time value representing the time an acknowledgement is expected to be received by the time sender based on the delay.

Claim 14 (Cancelled).

Claim 15 (Cancelled).

Claim 16 (Previously Presented): A method for controlling packet flow comprising:

- establishing a base time;

- computing a ranging offset between a sender and a receiver;

communicating at least one of the base time and the ranging offset to the receiver; and

synchronizing timers of at least one of the sender and the receiver based on the at least one of the base time and the ranging offset;

transmitting a packet to the receiver;

storing a time that the packet is expected to be received at the receiver;

determining whether an acknowledgement contains a time value corresponding to the expected receive time, such that the acknowledgement corresponds to the packet; and

selectively retransmitting the packet based, at least in part, on the determination of whether an acknowledgement to the packet is received.

Claim 17 (Cancelled).

Claim 18 (Original): The method of claim 16, comprising selectively requesting an acknowledgement to the packet based, at least in part, on the determination of whether an acknowledgement to the packet is received.

Claim 19 (Previously Presented): A method for controlling packet flow, comprising:

transmitting a packet from a sender to a receiver;

storing a time value indicative of an expected time that the packet is to be received by the receiver;

extracting an acknowledgement time from an acknowledgement from the receiver;

determining if the acknowledgement received corresponds to the packet utilizing the expected time and the acknowledgement time; and

establishing synchronization between a time of the sender and a timer of the receiver prior to transmitting the packet.

Claim 20 (Cancelled).

Claim 21 (Original): The method of claim 19, the establishing synchronization comprising transmitting a base time and a ranging offset to the receiver and adjusting the timer of the receiver to the time of the sender by utilizing the base time and the ranging offset.

Claim 22 (Original): The method of claim 19, the acknowledgement time being the time when the receiver generates the acknowledgment.

Claim 23 (Original): The method of claim 19, further comprising:
sending a packet to the sender from the receiver;
storing a time value indicative of an expected time that the packet is to be received by the sender by compensating for a ranging offset associated with a transmission delay between the receiver and sender;
extracting an acknowledgement time from an acknowledgement from the sender;
and
determining if an acknowledgement received from the sender corresponds to the packet sent by the receiver utilizing the expected time that the packet is to be received by the sender and the acknowledgement time extracted from an acknowledgement from the sender.

Claim 24 (Cancelled).

Claim 25 - Claim 40 (withdrawn).